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PATENT & TRADEMARK OFFICE

SEQUENCE LISTING

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Ren, Chengzhen

<120> RTVP-GLIPR-LIKE COMPOSITIONS AND METHODS FOR THE DETECTION, TREATMENT AND PREVENTION OF PROSTATE CANCER

<130> PRO025/4-012US

<140> 10/559,994
<141> 2006-04-28

<150> 60/477130
<151> 2003-06-09

<150> PCT/US04/18731
<151> 2004-06-08

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<170> PatentIn version 3.5

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cca tcc atc act gac cca cac ttt ata gac aac tgc ata gaa gcc cac       150
Pro Ser Ile Thr Asp Pro His Phe Ile Asp Asn Cys Ile Glu Ala His
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aac gaa tgg cgt ggc aaa gtc aac cct ccc gcg gcc gac atg aaa tac       198
Asn Glu Trp Arg Gly Lys Val Asn Pro Pro Ala Ala Asp Met Lys Tyr
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atg att tgg gat aaa ggt tta gca aag atg gct aaa gca tgg gca aac       246
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cag tgc aaa ttt gaa cat aat gac tgt ttg gat aaa tca tat aaa tgc       294
Gln Cys Lys Phe Glu His Asn Asp Cys Leu Asp Lys Ser Tyr Lys Cys
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tat gca gct ttt gaa tat gtt gga gaa aat atc tgg tta ggt gga ata       342
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Gly Glu Ser Cys Ser Leu Cys Pro Lys Glu Glu Lys Cys Val Lys Asn
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ctc tgc aaa aat cca ttt ctg aag cca acg ggg aga gca cct cag cag        678
Leu Cys Lys Asn Pro Phe Leu Lys Pro Thr Gly Arg Ala Pro Gln Gln
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Leu Val Ala Thr Thr Ser Ser Lys Ile Pro Ser Ile Thr Asp Pro His
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Phe Ile Asp Asn Cys Ile Glu Ala His Asn Glu Trp Arg Gly Lys Val
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Ala Lys Met Ala Lys Ala Trp Ala Asn Gln Cys Lys Phe Glu His Asn
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Pro Lys Glu Glu Lys Cys Val Lys Asn Leu Cys Lys Asn Pro Phe Leu
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Leu Trp Ile Leu Gly Leu Cys Leu Val Ala Thr Thr Ser Ser Lys Ile
10 15 20 25

cca tcc atc act gac cca cac ttt ata gac aac tgc ata gaa gcc cac 150

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Pro Ser Ile Thr Asp Pro His Phe Ile Asp Asn Cys Ile Glu Ala His
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aac gaa tgg cgt ggc aaa gtc aac cct ccc gcg gcc gac atg aaa tac      198
Asn Glu Trp Arg Gly Lys Val Asn Pro Pro Ala Ala Asp Met Lys Tyr
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atg att tgg gat aaa ggt tta gca cag atg gct aaa gca tgg gca aac      246
Met Ile Trp Asp Lys Gly Leu Ala Gln Met Ala Lys Ala Trp Ala Asn
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cag tgc aaa ttt gaa cat aat gac tgt ttg gat aaa tca tat aaa tgc      294
Gln Cys Lys Phe Glu His Asn Asp Cys Leu Asp Lys Ser Tyr Lys Cys
    75                  80                  85

tat gca gct ttt gaa tat gtt gga gaa aat atc tgg tta ggt gga ata      342
Tyr Ala Ala Phe Glu Tyr Val Gly Glu Asn Ile Trp Leu Gly Gly Ile
90                  95                  100                 105

aag tca ttc aca cca aga cat gcc att acg gct tgg tat aat gaa acc      390
Lys Ser Phe Thr Pro Arg His Ala Ile Thr Ala Trp Tyr Asn Glu Thr
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caa ttt tat gat ttt gat agt cta tca tgc tcc aga gtc tgt ggc cat      438
Gln Phe Tyr Asp Phe Asp Ser Leu Ser Cys Ser Arg Val Cys Gly His
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tat aca cag tta gtt tgg gcc aat tca ttt tat gtc ggt tgt gca gtt      486
Tyr Thr Gln Leu Val Trp Ala Asn Ser Phe Tyr Val Gly Cys Ala Val
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gca atg tgt cct aac ctt ggg gga gct tca act gca ata ttt gta tgc      534
Ala Met Cys Pro Asn Leu Gly Gly Ala Ser Thr Ala Ile Phe Val Cys
    155                 160                 165

aac tac gga cct gca gga aat ttt gca aat atg cct cct tac gta aga      582
Asn Tyr Gly Pro Ala Gly Asn Phe Ala Asn Met Pro Pro Tyr Val Arg
170                 175                 180                 185

gga gaa tct tgc tct ctc tgc tca aaa gaa gag aaa tgt gta aag aac      630
Gly Glu Ser Cys Ser Leu Cys Ser Lys Glu Glu Lys Cys Val Lys Asn
                190                 195                 200

ctc tgc agg act cca caa ctt att ata cct aac caa aat cca ttt ctg      678
Leu Cys Arg Thr Pro Gln Leu Ile Ile Pro Asn Gln Asn Pro Phe Leu
            205                 210                 215

aag cca acg ggg aga gca cct cag cag aca gcc ttt aat cca ttc agc      726
Lys Pro Thr Gly Arg Ala Pro Gln Gln Thr Ala Phe Asn Pro Phe Ser
        220                 225                 230

tta ggt ttt ctt ctt ctg aga atc ttt taatgtcatt tatatacaaa            773
Leu Gly Phe Leu Leu Leu Arg Ile Phe
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Leu Val Ala Thr Thr Ser Ser Lys Ile Pro Ser Ile Thr Asp Pro His
            20                  25                  30

Phe Ile Asp Asn Cys Ile Glu Ala His Asn Glu Trp Arg Gly Lys Val
        35                  40                  45

Asn Pro Pro Ala Ala Asp Met Lys Tyr Met Ile Trp Asp Lys Gly Leu
    50                  55                  60

Ala Gln Met Ala Lys Ala Trp Ala Asn Gln Cys Lys Phe Glu His Asn
65                  70                  75                  80

Asp Cys Leu Asp Lys Ser Tyr Lys Cys Tyr Ala Ala Phe Glu Tyr Val
                85                  90                  95

Gly Glu Asn Ile Trp Leu Gly Gly Ile Lys Ser Phe Thr Pro Arg His
            100                 105                 110

Ala Ile Thr Ala Trp Tyr Asn Glu Thr Gln Phe Tyr Asp Phe Asp Ser
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Leu Ser Cys Ser Arg Val Cys Gly His Tyr Thr Gln Leu Val Trp Ala
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Asn Ser Phe Tyr Val Gly Cys Ala Val Ala Met Cys Pro Asn Leu Gly
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Gly Ala Ser Thr Ala Ile Phe Val Cys Asn Tyr Gly Pro Ala Gly Asn
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Phe Ala Asn Met Pro Pro Tyr Val Arg Gly Glu Ser Cys Ser Leu Cys
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Ser Lys Glu Glu Lys Cys Val Lys Asn Leu Cys Arg Thr Pro Gln Leu
        195                 200                 205

Ile Ile Pro Asn Gln Asn Pro Phe Leu Lys Pro Thr Gly Arg Ala Pro
    210                 215                 220

Gln Gln Thr Ala Phe Asn Pro Phe Ser Leu Gly Phe Leu Leu Leu Arg
225                 230                 235                 240
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Ile Phe